

5. (Amended) The integrated circuit of claim 1 wherein each of the set of transistors has a bulk that is not directly connected to the substrate.

5 6. (Amended) The integrated circuit of claim 1 wherein the set of transistors is formed without an active mask definition.

7. (Amended) The integrated circuit of claim 1 wherein the set of transistors has a gate oxide formed with a layer of silicon dioxide and a layer of silicon nitride.

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21. (Amended) A printhead having [at least one]a set of transistors integrated thereon, the printhead comprising:

a substrate;

[a]each transistor positioned on the substrate, the transistors comprising a source region, a drain region, and a gate positioned between the source region and the drain region, the gate forming a closed loop and comprising,

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a layer of silicon dioxide not of field oxide disposed over the

substrate, and

a layer of polycrystalline silicon directly on the layer of silicon

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dioxide;

a layer of dielectric material covering the substrate having a plurality of openings there through, the openings providing access the source region, the drain region, and the gate of the transistor;

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a layer of electrically resistive material positioned on the layer of dielectric material and in direct electrical contact with the source region, the drain region, and the gate through the openings;

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a layer of conductive material affixed to a portion of the layer of electrically resistive material in order to form a multi-layer structure, the layer of electrically resistive material having at least one uncovered section capable of functioning as an ejection element, the layer of electrically resistive material being covered with

the layer of conductive material at the source region, the drain region and the gate of the transistor;

a portion of protective material positioned on the ejection element; and

an orifice layer having at least one nozzle, the orifice layer secured to the
5 portion of protective material having a section thereof removed directly beneath
the nozzle in order to form a fluid well in order to impart energy from the ejection
element.

Please cancel claims 29-45 without prejudice.

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REMARKS

Claims 1, 5-7 and 21 have been amended to address Examiner's
concerns. Claims 29-45 have been cancelled. Claims 1-28 remain in the
15 application. The Specification has been amended. Proposed drawing changes
are have been submitted for approval. A clean copy of changes to the
Specification and Claims is found in Appendix A. Further examination and
reconsideration of the application, as amended, is hereby requested.

20 Claims 29-45 have been cancelled without prejudice as being directed to a
non-elected invention. Applicants intend to pursue these claims in a divisional
application.

In Section 2 of the Office Action, the Examiner objected to the drawings
25 because reference character 15 on page 5, line 17 was not on the drawings.
Applicants have amended the specification to change the reference character 15
to 11 to correct a typographical error.